

Comparisons of Job Characteristics

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Nuclear Medicine Technologists (29-2033)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Nuclear Medicine Technologists (29-2033)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|---|
| Customer and Personal Service | 11.3 | 17.9 | 18.0 | 0 Current knowledge level may be sufficient |
| Mathematics | 9.2 | 13.1 | 10.3 | < Expanded education and/or training may be required |
| Computers and Electronics | 8.4 | 12.9 | 11.0 | < Expanded education and/or training may be required |
| Medicine and Dentistry | 3.7 | 12.9 | 17.4 | >> Current knowledge level is likely more than sufficient |
| Biology | 3.7 | 12.0 | 9.9 | < Expanded education and/or training may be required |
| Chemistry | 4.8 | 11.2 | 7.6 | << Extensive education and/or training may be required |
| Physics | 4.3 | 9.9 | 5.5 | << Extensive education and/or training may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Nuclear Medicine Technologists (29-2033)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|---|
| Science | 4.5 | 10.1 | 10.6 | 0 Current skill level may be sufficient |
| Quality Control Analysis | 5.9 | 8.1 | 6.2 | < A higher skill level may be required |
| Equipment Maintenance | 3.5 | 5.9 | 5.2 | < A higher skill level may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Abilities | Similarity of Focus Occupation to Associated Occupation: 93 | | | | | | | |
|---|---|--------------------------------|---------------------------|---|--|--|--|--|
| Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Nuclear Medicine Technologists (29-2033) | | | | | | | | |
| | | | | | | | | |
| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | | | | |
| Oral Comprehension | 12.5 | 13.9 | 13.7 | 0 Current ability level may be sufficient | | | | |
| Oral Expression | 12.4 | 13.3 | 13.6 | 0 Current ability level may be sufficient | | | | |
| Near Vision | 11.1 | 12.6 | 11.4 | < Some improvement in abilities may be required | | | | |
| Information Ordering | 9.9 | 11.5 | 11.0 | 0 Current ability level may be sufficient | | | | |
| Written Comprehension | 11.0 | 11.1 | 11.1 | 0 Current ability level may be sufficient | | | | |
| Problem Sensitivity | 11.1 | 10.8 | 14.8 | >> Current ability level is likely more than sufficient | | | | |
| Speech Recognition | 9.9 | 10.7 | 9.8 | 0 Current ability level may be sufficient | | | | |
| Written Expression | 9.8 | 10.5 | 10.7 | 0 Current ability level may be sufficient | | | | |
| Dynamic Strength | 3.5 | 5.4 | 4.3 | < Some improvement in abilities may be required | | | | |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common | Similarity of Focus Occupation to Associated Occupation: 98 |
|---|---|
| Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Nuclear Medicine Technologists (29-2033) | |
| | |
| Work Activities | Exclusivity of Activity |
| Administer injections | 60 |
| Analyze medical data | 57 |
| Collect clinical data | 56 |
| Communicate technical information | 4 |
| Explain testing procedures to patient | 87 |
| Follow clinical radiation safety procedures | 77 |
| Follow dental or medical office procedures | 68 |
| Follow patient care procedures | 60 |
| Follow patient observation procedures | 71 |
| Inventory medical supplies or instruments | 67 |
| Make decisions | 24 |
| Make presentations on health or medical issues | 50 |
| Observe patient condition | 48 |
| Prepare patients for tests, therapy, or treatments | 70 |

| | |
|---|----|
| Understand technical operating, service or repair manuals | 6 |
| Use clinical sterilizing technique | 71 |
| Use emergency medical procedures | 64 |
| Use hazardous materials information | 35 |
| Use knowledge of medical terminology | 40 |
| Use medical diagnostic equipment | 87 |
| Use quality assurance techniques | 61 |
| Use sanitation practices in health care settings | 48 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Nuclear Medicine Technologists (29-2033)

| Tools and Technologies | Exclusivity |
|--|-------------|
| Blood pressure units and related products | 11 |
| Business function specific software | 1 |
| Computers | 1 |
| Electrocardiography EKG units and related products | 20 |
| Emergency medical services resuscitation products | 15 |
| Industry specific software | 1 |
| Injection and aspiration needles and accessories | 25 |
| Intravenous and arterial cannulas and catheters and accessories | 29 |
| Intravenous and arterial tubing and administration sets and related products | 22 |
| Laboratory centrifuges and accessories | 13 |
| Medical imaging processing equipment and supplies | 33 |
| Medical radiological imaging information and archiving products | 43 |
| Medical radiological shielding and protection products | 31 |
| Medical ultrasound and doppler and echo imaging products | 19 |
| Oxygen therapy delivery systems and devices | 13 |
| Pulse oximeters | 18 |
| Specimen collection and transport containers and supplies | 14 |
| Syringes and accessories | 14 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.